# on the Eruptive fevers of Fever

Nat.l Small pox 1
Vaccination second 1
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Miliary fever 20
Chicken pox 20
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As the small pox in the natural way has revived in our Country owing to the unfortunate prejudices against Vaccination in the people, and the unwillingness or refusal of physicians to inoculate, I shall deliver a few remarks upon its treatment derived from my own Observations.

1 It is most commonly a malignant, or a typhus fever.

2 During the eruptive fever, copious V.S. but ~~[illegible]~~ this is forbidden, strong vomits & purges by ~~[illegible]~~ reducing the pulse before the eruption, & the danger of the disease. In this way I think I possibly saved many ~~lif~~ lives. —

3 Cool or Cold air should be used according to the form of the fever & State of the Skin.

4 great advantages arise in malignant cases from the exhibition of ☿ so as to salivate at the turn of the pock.

5 V.S. should be used in the height of the disease or turn of the pock. angina & pneumonia often take place at that time. The blood is tizy. I lately used it to miss Mitchell 1805.

There was a time once when the name of the small pox inspired as much terror than pestilence - famine and ~~as th~~ war, fire, ~~ocean~~ Earthquake ~~you~~ and with reason, for more of the human race have been destroyed by it by any one of them, or perhaps by all of them put together. War has its intervals of peace, famine is often preceded & followed by years of plenty & fire ~~is rarely~~ Earthquakes are ~~destructive to human life, and Earthquakes occur so seldom as~~ extremely limited in their destructive effects upon human life. Even Pestilence itself is a less ~~vile~~ evil than the small pox. It is confined only

2

O The bowels should be kept gently open at this time, and Swellings should be invited to the hands & feet when it falls in the face by warm water, poultices, and Blisters.

y The matter should be discharged from the pock by opening them with a Needle, when danger is apprehended from this number. —

8 Linnen shd be often changed. Warm Bath useful when pock do not fall off readily.

For many facts on this disease see Lindham, ~~Hillary~~ Mead, & above both Hillary.

Vaccination is to be preferd to Inoculation, Because it communicates a less violent Disease, ~~it was never mortal.~~

2 — it is not contagious. 3 It does not prevent Pock. 4 It may be communicated at all seasons, and ages, & to persons indisposed with other diseases. 5 It is never mortal.

In consequ: attend to things, never to take medicine after 9th day. Dr Jenner calls this a general boundary. 2 to vaccinate with a

I cannot dismiss this disease without taking notice that two errors have entan-
-gled themselves in it. 1st that it was a
specific disease and that its remote &
proximate causes were exceptions to
the Unity of Stimulus, and the Unity
of disease. ~~Unless I hope gentlemen~~
~~has no existence in this University~~ The
2nd error is the offspring of the first & that is
the specific nature of its remote ~~causes~~
and proximate causes required ~~in~~ like
the Gout and Hydrophobia, certain
specific remedies to cure it. The
Remedies for this purpose have been
Boroard mineral, Saffron, Sheeps Dung,
with many others and finally mercury.
But they have ~~always~~ all failed,

of annihilating or subduing the Diseases, ~~like~~
~~the~~ And after the ~~ages~~ researches & experience of
ages, the illustrious Dr Sydenham first discovered that
it was not to be cured, but that its mortality
~~like the cause~~ was to be prevented by exactly
the same remedies that mitigated. By so doing so be
the mortality of other fevers. In doing so ~~these~~ fully
established the Unity of its Stimulus ~~remote~~
and ~~proximate~~ the Unity of the Deranged actions it
produced in the blood vessels with the Unity
of the Stimulus and the Unity of the Deranged actions
which take place in all other fevers. ~~The~~
It will be only by ~~In this By~~ reasoning specific remote
causes and ~~proximate~~ actions in the Gout &
Hydrophobia that we shall, in like manner,
ever bring them under the Dominion of
medicine. ~~The~~ They never ~~were never~~
can be cured ~~by~~ in any other ~~thing~~ way, not even
by a ~~large~~ cordial of Gout Worts or Hydrophobia Worts.

# On Vaccination

v lessened, but not wholly prevented by Inoculation. A new mode of preventing it with more certainty has been discovered by means of what is called Vaccination from the matter wch effects this resistance to the Small pox being obtained from the udder of the Cow.

~~as the~~ The contagious and fatal tendency of the small pox has for many years been I shall ~~now~~ deliver to you an epitome of all I have read, observed, and heard upon this subject. ~~Vaccination~~ - The remedy which has lately been introduced for the purpose of ~~this disease~~ eradicating ~~the~~ small pox from the world.

~~That matter should be inoculated~~ It may be performed upon all ages - and at all seasons. During ~~but~~ the ~~period of the~~ first month & during dentition, children are subject to other diseases for which reason some physicians decline performing it at those times. It runs its course most rapidly in summer. It cannot be communicated when the ☿ is at 90°: Dr Adams says it could not be communicated during the blowing of a wind in madeira known by the name of the Leste wind. There is a parallel fact in the small pox. It cannot be communicated during the

V heat and the Winds in these cases create a preponderating counter impression upon the Skin.

V Cough in its declining state. I can subscribe in two instances to the truth of this remark. M'Cookey's Chd:

blowing of the Harmattan Winds. — The

2 ~~Other Diseases existing~~ It may be conveyed to persons labouring under cutaneous Diseases of all kinds. ~~The itch is excepted~~ Some These eruptions particularly the itch resist it — but where the Vaccination ~~it~~ succeeds, it sometimes removes those eruptions. It ~~has~~ ~~taken place~~ succeeds in Scrophula, Cough and deafness, and has sometimes removed them. ~~It has been~~ the Vaccine matter applied ~~to~~ an old sore in the Rose town hospital it. A Physician in Calcutta has proposed to apply this matter to cancerous sores in hopes of obtaining from it a similar good effect. It is said to arrest the progress of cancerous diseases. Dr Archer says it destroys the hooping cough.

3 The matter may be taken from a pustule or a Scab. ~~The matter~~ It ought to be taken in the former case only in its watery state which is generally the case on the 8th & 9th days, but

worse & then so late as on the 20th. The matter is contained in cells so that several punctures with a lancet will be necessary to obtain the contents of a pustule. ~~It~~ For this it differs from a pustule from the small pox. The matter may be taken on thread, or ~~between~~ on a piece of glass rubbed over the pustle when opened, and then covered with glass of the same size. The glass should not be placed over it till its watery parts are evaporated. In this way a fermentation is prevented in it, which destroys its infecting quality. It may be taken on the point of a lancet. I know this mode of taking it is objected to from the matter oxiding the lancet, but it has never but once failed with me ~~when taken in~~ this way. The matter should be moistened with cold water only when applied to the arm. The lip matter that is used, & the

v to communicate the disease, it shd. be first scraped a little, & then broken into peices & preserved between two peices of glass. When used a portion of it should be taken from the glass and moistened by itself. If we moisten it upon the glass and then cover it, it undergoes a change which destroys its infecting quality.

The lancet shd be held a few seconds under the Article. ~~Revolut the part of the~~ In some proximity with the Opras. The horse was killed ~~in one second~~ by holding it for some time - Another received in which the lancet was barely thrust in & taken out.

lip blood, that is drawn the more certainly the operation succeeds. I have said limpid matter ought to be used only. When purulent, it induces a Spurious disease. The same thing occurs with the small pox, in which the inflammat. sore are greater than from fresh matter. ~~Thus~~ Of 5 persons inoculated by Mr Earle with old variolous matter who all took the small pox & took it afterwards, one of whom died. — The matter for vaccination should be taken only from the pustule on the arm, & never from the last looking pustules in any other part of the body. When a scab is employed & The pustule generally appears filled with matter ~~with a hollow in its middle~~ on the 8th Day, but there are cases in which it has not appeared till the 12. 14. 16. 46 according to Mr Ring, 5 and 6 weeks according to others.

V The activity of the vaccine matter is some=
=times promoted by rubbing the arm before,
or after the matter is introduced in it, also
by a generous diet. The latter often gives
activity to a feeble infection from the small
pox.

+ The same thing is true in the small pox.

~~Dr Thos~~ Dr Valentine of Marseilles ~~informs~~ informed me in a letter I received from him ~~a few days~~ on ~~Jan~~ Jan^y 27. 1808 that in a child of 4 years old vaccinated by M^r Chevreuse an apoth^y & botanist at Nantz the pustule did not appear till one year afterwards when it ran ~~its~~ the usual course of the disease. I ~~believe this fo~~ have known an instance in which the pustule from variolous ~~matter~~ matter did not appear till 3 months after it was put into the arm. These facts ~~to~~ support the opinion I formerly taught of Variolous matter lying weeks, months & even a year in the body before they produced a fever.

5th Early Eruptions and Scab, a small Areola a small pustule – ~~gradually~~ ~~of the pustule~~ the matter of indicate a local, ~~and~~ disease. From this local disease, a true disease may be produced. a wide spreading sore resulted of a much itching, and the absence of, or a Scab – ~~and~~ ~~general~~ sores over the body, very small cicatrix indicate a spurious disease.

¶. V The Vaccine pustule is distinguished from the Variolous pustule by the following marks. 1 It is divided into Cells in which the matter is contained. 2 It is depressed in its Center. ~~the Scab a~~ 3 ~~It~~ The crust appears upon it earlier than in the small pox. 4 There is no inflamⁿ around the pustule on the 5th Day as there is in the small pox. 5. The Vaccine pustule is single & independant, the variolous pustule is often surrounded with pustules that run into it. 6. the ~~Variolous~~ vaccine pustule leaves a small circumscribed Cicatrix, the Variolous pustule leaves a more extensive - irregular cicatrix. 7 Vaccine matter generally passes into a Scab, without much pus, ~~& easily into~~ the ~~Vaccine matter~~ Variolous pustule passes altogether into pus. 8 The Vaccine Scab is smooth, hard, semitransparent, of a dark brown color, with its margin elevated, and in shape

There is more indisposition when the pustule appears on a late day than on the 8th or ~~9th~~ 9

The disease after ~~begin~~ discovering its symp=
=toms is sometimes suspended for several
days, and then resumes its course. It has
been suspended by the Scarlet fever in one in=
=stance, & it prevailed over it in another
related by Dr Jenner. You will understand
the reason of this by reflecting one of the
laws of Epidemics.

The system is ~~to~~ not protected from the
small pox, nor from any other disease
before the appearance & inflamm.n of the some
pustule. They protect the system from
other diseases, more especially if they are
accompanied with a swelling, & redness the
ache - Drowsiness - some pain & fever. with
these symptoms - ~~[illegible]~~ - ~~[illegible]~~ - we sometimes

resembling the vesicle itself. The variolous
scab is rough, scaly friable, & quite
opake - of a light brown color, and
with its centre somewhat elevated. ☞ The
efflorescence round the vaccine pustule is large
and regular, and the skin hard under it. The
inflam^n round the Variolous pustule is ~~in~~
small - irregular, and often covered with
minute confluent pustules. —

ead of nausea - vomiting & even convulsions. They are I believe generally from teething or some more powerful disease than the vaccine.

10 It has been said that impregnating the system with helpsbus prevents the activity of the vaccine matter. This is a fact that Of 88 persons who had been taking helpsbus for the itch, but it took the disease.

~~Pustules~~ Eruptions ~~which~~ sometimes follow the vaccine 11 Disease ~~than the variolous~~ but ~~I believe that~~ by no means so often as the small pox by ~~the pox~~ Inoculation. Where these eruptions are more copious than usual, Dr Patterson has ascribed them to a cutaneous constitution of the atmosphere disposing disease either to affect or pass out of the skin.

12 It has been said, ~~that~~ ~~Dis~~ Vaccination

no interruption in business, or labor.

The Clamors against it have been excited chiefly by ignorance and envy.

I know of no Objection to it, but the difficulty of procuring & preserving matter, but these be obviated by the means that have been mentioned. Permit me to recommend it to your ~~the~~ practice, ~~which~~ in preference to variolous Inoculation. Where it fails, suspect some latent disease, if the matter be good. — ≠ of 20,325 who were vaccinated between Jan^y 21. 1799 & Jan^y 1. 1807 by Dr Adams 21 only took the natural small pox afterwards, two of whom only died. a greater number I believe take it after Variolation. It is remarkable the small pox is generally favorable when taken after Vaccination, & that the pock turn on the 6^th day. It ~~was~~ did the same thing after variolation in Capt: Capsen whose Case you will see recorded in Dr Coxes medical museum. Two Causes now & then

does not always defend the system from the small pox. I admit it. ~~But I am sure it is when~~ The same thing is true of Variolous inoculation, and that much oftner than of Vaccination. Of this I could produce many proofs in this city. It approaches nearer to certainty in its effects than any other remedy ~~for any~~ for disease in the whole materia medica. ‡ ~~It~~ has the following advantages to recommend it in preference to variolous ~~inoculation~~.

1 It communicates a less violent disease.

2 It is never mortal. 3 It has never been followed by lameness or wasting pain of the arm, blindness or consumption which has been the case with variolous inoculation.

4 It is not contagious. & 5 it produces

produce ~~a second attack of~~ small pox after both Vaccination & Variolation 1. a strong epidemic variolous constitution of the atmosphere. Common fevers are often tinctured according to Dr Sydenham by some of the symptoms of the small pox in such a state of the Air. and 2dly strong exciting causes acting upon the system while it is impregnated with the variolous matter of the disease ~~[illegible]~~. This was the case in Capt: Capson. —

~~[illegible]~~

That the Vaccine disease affects the whole nervous system in common with the small pox is evident from the following fact ~~the two facts~~ If a Scratch or wound be made upon the skin during the progress of the Vaccine pustule. the Scratch or wound will ~~par~~ keep pace with & partake of the nature of the inflam^n of the Vaccine pustule. This fact was communicated to my friend Dr Rush by Dr Jenner. ~~2 If a vaccine pustule~~ It ~~shows~~ illustrates ~~in the~~ what I have called Cutaneous sympathy in a striking manner p. 13 = the same thing occurs if the vaccine & variolous

matter are inserted on successive days.

3. ~~Both diseases~~ The pustule in both diseases ripens on the same day generally & deviates from their common order in the same ~~bone~~ manner as to the time of their ripening or producing their respective disease.

4 ~~The~~ old matter is ~~an~~ apt to produce a spurious disease in both cases.

5 a single ~~pock~~ pustule of small pox is as little disposed to spread the disease by contagion thro' the atmosphere as a pustule of the Vac=cine disease.

~~6 When they protect from the small pox.~~

7 Departures from original diseases are not uncommon. The Leprosy ~~is~~ Venereal diseases ~~are~~ are now mild dis=eases compared with what is was 200 yrs ago ~~and yet they are~~ They are less infectious than formerly, & yet they are the same diseases.

Variation has arisen to 7

on pulmonary Consumption.

Gentlemen,

In entering upon the Consi-
-tion of this disease, I feel as if I be
been called upon to ~~split~~ divide a Ro
of ~~that~~ lignum vitæ in your presence
In viewing it in all its parts, and th
Direction, I can see



produce ~~a rare and attacks of~~ small pox after both
Vaccination & Variolation 1. a strong epidemic
constitution of the atmosphere. Common fevers
are often tinctured according to Dr Sydenham by
some of the symptoms of the small pox in
such a state of the Air. and 2d strong exciting
causes acting upon the System while it is im-
-pregnated with the variolous matter of the disease ~~in~~.
This was the case in Capt: Capsen. —

~~go to p. 19~~

Dr Adams has taken pains to prove that
Vaccine ~~variolous~~ Disease is a kind of Dwarf vario-
-us disease. The facts he adduces in support
his opinion are as follow.
If vaccine matter be inserted in the Arm, &
fresh puncture be made three days afterwards,
both vipen on the same day. The same
thing takes place in the variolous inoculation
If vaccine & variolous matter be inserted
the same day in different parts of the body,
both run their courses, exactly together.
the same thing occurs if the vaccine & variolous

Matter are inserted on successive days.

3. ~~Both diseases~~ The pustule in both diseases ripens on the same day generally & deviates from their common order in the same ~~case~~ manner as to the time of their ripening or producing their respective disease.

4. ~~The~~ old matter is ~~an~~ apt to produce a spurious disease in both cases.

5 a single ~~pock~~ pustule of the small pox is as little disposed to spread the disease by contagion thro' the atmosphere as a pustule of the Vaccine disease.

~~6 Than they protect from the small pox.~~

7 Departures from original diseases are not uncommon. The Leprosy ~~is~~ Venereal diseases ~~are~~ are now mild discases compared with what is was 200 yrs ago ~~and yet they are~~ They are less infectious than formerly, & yet they are the same Diseases.

Variation has arisen to ↑

= From the history I have given of Vaccination, you will perceive that it requires more knowledge - judgement and prudence to communicate the genuine Disease, ~~thus by an~~ so as to protect the System from the small pox, than it does to do the same thing, by Variolation. I ascribe most of the failures in com=municating it to ignorance or inattention to the minute circumstances wch should govern our practice in it. I have the most unshaken confidence in its general certainty, ~~and thus~~ & consider it as one of the greatest blessings Heaven has conferred upon the health & life of man.

"no vaccinated medical Student who had been vaccinated, took small pox in 1809 or 1811.

go to measles. 5th.

have lately obtained over a ~~one~~ the most
=tal of all diseases, we are led to ~~[illegible]~~
~~the [illegible]~~ anticipate the time
when, ~~Reason and humanity shall~~ they shall forth
enjoy an equal triumph in the
annihilation of pestilence from
our globe. It belongs almost ex=
=clusively to the physicians of the U.
States to have pointed out the means
for this purpose. ~~How long the time~~
~~may be before~~ The time will come
when the names of ~~Webster, Mitchell~~
~~& Waldman~~ How long the time may be
before this event will take place I know
not, but I believe it is as much out of
the power of prejudice, error, interest

~~Dr Watson has taught us how much it is varied by the state of the Atmosphere. – He describes & he calls "a putrid measles" in London. They were ~~nothing but the~~ produced by an ~~exciting~~ in the stimulus of the contagion & I know if you heard of the 12 primary states of fever, you cannot be at a loss how to treat them. For the most part the pulse is Synocha & Synochula & typhus & typhus. In reading the histories~~

had been vaccinated, 100 to prevent pox

1811.

Go to Jenner. 1811.

& as easie to prevent it as it is to prevent the change of the seasons, or the annual Revolutions of our globe around the Sun

## Of the measles

I refer you to books for a history of this disease. — The best acc^t of it is to be had in the history of Epidemics. I shall give you a short acc^t of them as they have lately appeared in this city viz in 1801. & 1802

They made their first appearance in the south end of the city in the month of July; and were stationary there until Decem^r when they gradually spread thro' the whole city. Observe here 1. this gradual progress, & 2^dly this encrease with cold weather. Now

diffident from the manner in which

I have given
of it ~~as it~~ as it has appeared in Phila.
in different years, I beg you would take
notice of the account I have given of a
spurious kind of measles — or a morbillous
fever which does not protect from a
2nd attack of the disease. It is a superficial
affection, analogous to the cutaneous
small pox which I have described in the
1st Vol: of my inquiries. I shall dismiss
this disease with a few general remarks.
go to p. 18.=

had been vaccinated, 100 in small pox
1811.

Go to Measles p. 14.

those diseases spread which are derived from an impure atmosphere. They spread in a few weeks thro' whole cities & countries, and are always checked by cold. — The following circumstances occurred in the symptoms of this Epidemic in my practice.

1 The disease wore the livery of the intermittent fever in the following symptoms.

1 It was strongly marked by Remissions & Intermissions. The exacerbations occurred chiefly in the night.

2 There was in many cases a ~~great~~ constant ~~Deal of~~ nausea & discharge of Bile by puking. —

3 I saw one case ~~of~~ in which they appeared with a violent cholera morbus.

4 ~~Many~~ several cases of Diarrhœa & of Dysentery occurred in my practice.

2 Eruption of fever 2 more Days.

A Salivation.

1811.

Go to Jamaica 1811.

III many severe cases of pleurisy & two of Cynanche trachialis appeared with the measles. ~~Ass. Tonsilitis~~ -

II a distressing low mouth followed the measles in one of my patients, a child under 2 years old.

IV a fatal hydro: inter: followed the disease in a child of 8 years old that had been treated for worms.

V ~~The~~ I saw one case in which the eruption did not take place till 10,00 another 14 days after the fever came on. —

VI Two children had eruptions like small pox before the eruption of the measles.

VII many children had coughs ~~& sneezing~~ watery eyes for several days, but without the measles. the same children had ~~them~~

~~To this history of an Epidemic I shall now add a few general remarks.~~

1 Dr Willan says he had seen a case in which the measles were taken twice. In this case he probably mistook the spurious measles or the morbillous fever for the genuine measles. See my Acct of them in the 2nd Vol of my inquiries. They are now admitted by several Writers, ~~viz~~

~~Dr Willan~~

2 The Dr says he has seen two successive eruptions, in the small pox.

3 He describes two cases which ran their courses without any Catarrh. You see here gent: the Unwarr? of relying upon pathog: Signs of diseases. There is scarcely any disease ~~to~~ which ~~this~~ affords signs that deserve that name.

4 It is said the small pox & measles occur at the same time in the same person. They do so, but the actions & eruptions excited by them I believe are always in succession to each Other.

5 It is often accompanied or followed by a distressing Diarrhoea, or

Go to Measles p 14.

[weeks afterwards! see my acc^t of spurious Measles in med: Eng: & Obs: vol: 2 many people ~~had~~ who had had the measles had Coughs resembling the morbillous Cough.

IX The Remedies

I were Ob: from ℥ iv to ℥ 60.

2 Lenient purges - 3 Demulcent drinks.

4 Opiates at night and astringents where a Diarrhea took place. 5 Blisters.

I saw evident advantages from order=ing a vegetable diet after it appeared in several families.

I lost but 1 patient in this disease, viz a child in fits. — much more successful than in former years only be=cause I bled more freely. — V

Cough. They are both cured by Vs. & the other remedies for those Diseases.

No satisfactory reason has ever been given why the small pox & measles are ~~so seldom~~ taken but once, or why either of them is ever taken twice — Time I hope will furnish an explanation of this wonderful operation of nature in the human body. It is remarkable Sea sickness is generally upon a footing with both these diseases in occurring but one in life. The Remedies for the mischiefs accompanied to the state of the pulse & of the lungs. They shd be 1 Vs from ℥xx to ℥xl. 2 Laxative purges. 3 Demulents drinks 4 Opiates. 5 Blisters. If a Cough ensued — Vs. — If a Diarrhoea ensued the same remedy if the pulse be active. It yields to no other remedy. It is if I may be allowed the expression — a Cough in the bowels. Dr Sydenham first recommended this remedy for the Diarrhoea which ensues measles.

Go to Measles p. 16.

# Erisepelas flate of fever — called also St Anthony's fire.

1 It belongs alike to adults & children.

2 It is very apt to recur where ~~it has~~ poisons have been affected. It is induced by many poisonous substances — as cashew nut — Vine &c.

3 It affects the face, breasts in females, and limbs I have twice seen it in the lower limbs after tapping for ascites.

4 It is often the precursor of pestilential diseases. It was Dr Chisholm says of the yellow fever at St Croix. It appeared only among the natives of the Island, from which it is probable it was a mild form of the Epidemic which succeeded it.

5 It now & then ends in mortifn of death by the part affected, or by translation to the brain. Dr Bayard's case.

Dr Physick has taught us
These more effectually prevent Gan=
=grene than any other remedy. But
if Gangrene has begun, to which it is
disposed, Bark - wine should be given
in liberal quantities.

Dr William tells us it may be commun=
=icated by inoculating with the Water
contained in the vesicle of the disease.

Remedies

1 ~~Copious~~ Vs. copious when indicated by the pulse, or state of the skin.

2 Purges. 3 Blisters to the inflamed parts. 4 Cool Air.

All oily & Saturnine Repellents to be avoided. Flour the best remedy. —

## Miliary fever

Generally an Artificial Disease from the hot Regimen. Now scarcely known. It appeared in a malig fever at Manlua. Rissam.

## Chicken pox

Known, by little or no previous fever 2 by few eruptions seldom more than 200, disappearing more on the back than upon any other part of the body.

Cure. a purge.

1811.

Go to Jurisdiction 1811.

Prurigo.

see Cullen & William. It is a rare form of Eruption. Its symptomatic in yellow fever. —

The Efere — or nettlerash — is a troublesome — but never a dange=rous disease. The eruptions are large — elevated above the skin — & sometimes resembles strokes of a whip. The itching is the most distressing symptom that attends this disease. Lois wet, Sponges ~~relieve~~ ~~it, lasted~~ and cooling applications to the skin relieve it, but I am sorry to say they do not cure it. ~~Ba~~ It seldom lasts more than a day, or two, but it is apt to recur from slight causes. Time ~~or~~ wears it away from the system.

1811.

Go to Jurisdiction 1811.